

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
17 July 2003 (17.07.2003)

PCT

(10) International Publication Number
WO 03/057926 A1(51) International Patent Classification?: C12Q 1/68,
A01N 43/04, C07H 21/04, A61K 31/07[US/US]; 3400 Richmond Parkway Apt 1224, Richmond,
CA 94806 (US).

(21) International Application Number: PCT/US03/00657

(74) Agent: KEDDIE, James, S.; BOZICEVIC, FIELD &
FRANCIS LLP, 200 Middlefield Road, Suite 200, Menlo
Park, CA 94025 (US).

(22) International Filing Date: 8 January 2003 (08.01.2003)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

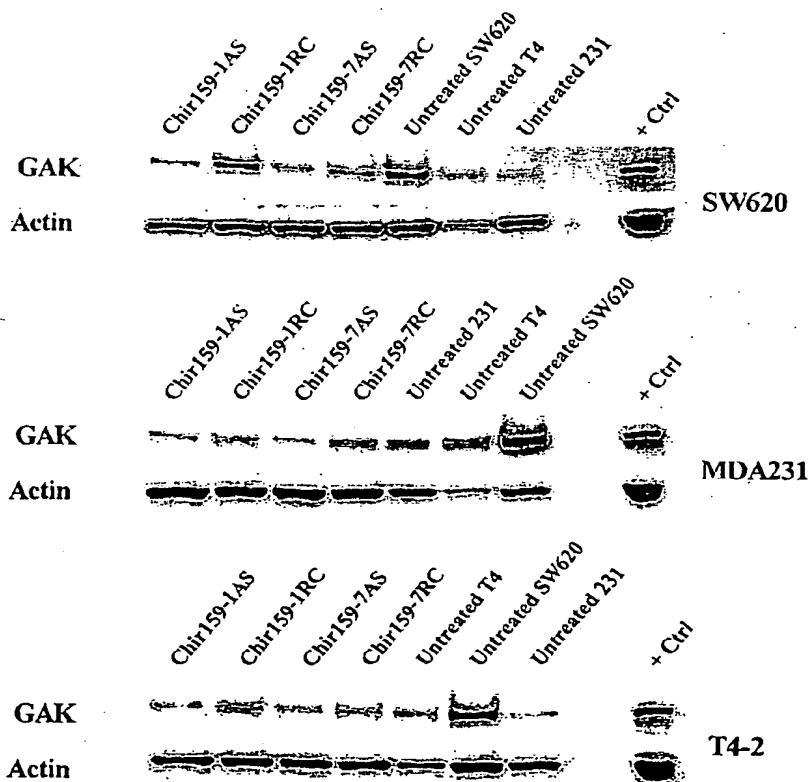
(26) Publication Language: English

(30) Priority Data:
60/345,637 8 January 2002 (08.01.2002) US(71) Applicant (*for all designated States except US*): CHIRON
CORPORATION [US/US]; 4560 Horton Street - R440,
Emeryville, CA 94608 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): HANSEN, Rhonda(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS BREAST CELLS AND THEIR METHODS
OF USE(57) Abstract: The present
invention provides polynucleotides,
as well as polypeptides encoded
thereby, that are differentially
expressed in breast cancer cells.
These polynucleotides are useful
in a variety of diagnostic and
therapeutic methods. The present
invention further provides methods
of reducing growth of breast cancer
cells. These methods are useful for
treating breast cancer.

WO 03/057926 A1



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.